

SUBSTITUTE FORM PTO-1449
(MODIFIED)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
MRD/67SERIAL NO.
09/757,333INFORMATION DISCLOSURE
STATEMENT BY APPLICANTAPPLICANT
Samuel I. Achilefu et al.FILING DATE
January 9, 2001

GROUP

1616

(37 CFR 1.101)

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DA	A.A	5	4	5	3	5	0	5	9/1995	Lee et al.	544	124	6/30/1994
DA	A.B	5	6	7	2	3	3	3	9/1997	Rajagopalan et al.	424	9.6	5/13/1996
DA	A.C	5	7	0	9	8	4	5	1/1998	Rajagopalan et al.	424	9.6	5/13/1996
DA	A.D	5	7	3	2	1	0	4	3/1998	Brown et al.	375	222	12/14/1994
	A.E												
	A.F												
	A.G												
	A.H												
	A.I												
	A.J												
	A.K												

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)
DA	A.L	WO9617628	6/13/1996	PCT	A61K	49/00	No
DA	A.M	WO9822146	5/28/1998	PCT	A61K	49/00	No
DA	A.N	WO9844846	10/15/1998	PCT	A61B	5/117	
DA	A.O	WO9844838	10/15/1998	PCT	A47L	13/258	
	A.P						
	A.Q						

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

DA	A.R	Brinkley, A Brief Survey of Methods for Preparing Protein Conjugates with Dyes, Haptens, and Cross-Linking Reagents, American Chemical Society, Reprinted from Bioconjugate Chemistry, Vol. 3, No. 1, Jan./Feb. 1992, 59-70.					
DA	A.S	Caesar et al., The Use of Indocyanine Green in the Measurement of Hepatic Blood Flow and As a Test of Hepatic Function, Clin. Sci., 21, 1961, 43-57.					
DA	A.T	Cherrick et al., Indocyanine Green: Observations on Its Physical Properties, Plasma Decay, and Hepatic Extraction, J. Clinical Investigation, 39, 1960, 592-600.					

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DA Jones

5/5/03

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	B.N						
	B.O						
	B.P						
	B.Q						

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	B.R	de Jong et al., <u>Comparison of ¹¹¹In-labeled Somatostatin Analogues for Tumor Scintigraphy and Radionuclide Therapy</u> , Cancer Research., 58, February 1, 1998, 437-441.
	B.S	Flanagan, Jr. et al., <u>Near-Infrared Heavy-Atom-Modified Fluorescent Dyes for Base-Calling in DNA-Sequencing Applications Using Temporal Discrimination</u> , Anal. Chem., 70:13, July 1, 1998, 2676-2684.
	B.T	He et al., <u>Measurement of Blood Volume Using Indocyanine Green Measured with Pulse-Spectrophotometry: Its Reproducibility and Reliability</u> , Critical Care Medicine, 26:8, 1998, 1446-1451.

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	C.Q						

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	C.R	R.K. Jain, <u>Barriers to Drug Delivery in Solid Tumors</u> , Scientific American, July, 1994, 58-65.
	C.S	Mujumdar et al., <u>Cyanine Dye Labeling Reagents: Sulfoindocyanine Succinimidyl Esters</u> , Bioconjugate Chemistry, 4:2, March/April 1993, 105-111.
	C.T	Narayanan et al., <u>A New Method for the Synthesis of Heptamethine Cyanine Dyes: Synthesis of New Near-Infrared Fluorescent Labels</u> , J. Org. Chem. 60, 1995, 2391-2395.

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DATE CONSIDERED

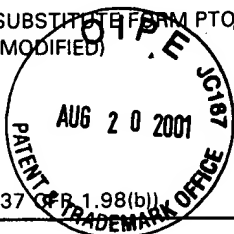
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	D.R	Patonay et al., <u>Near-Infrared Fluorogenic Labels: New Approach to an Old Problem</u> , Analytical Chemistry, 63, 1991, 321A-322A, 324A-327A.
	D.S	Reynolds et al., <u>Stable Heptamethine Pyrylium Dyes That Absorb in the Infrared</u> , J. Org. Chem., 42:5, 1977, 885-888.
	D.T	J. Slavik, <u>Fluorescent Probes in Cellular and Molecular Biology</u> , CRC Press, Inc., Boca Raton, Florida, 1994.

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

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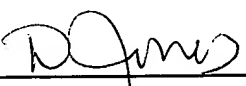
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				FILING DATE January 9, 2001		GROUP 11014	

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	E.R	Southwick et al., "One Pot" Fischer Synthesis of (2,3,3-trimethyl-3-H-indol-5-yl)-Acetic Acid. Derivatives as Intermediates for Fluorescent Biolables, Org. Prep. Proced. Int. Briefs, 20:3, 1988, 279-284.
	E.S	Strekowski et al., Substitution Reactions of a Nucleofugal Group in Heptamethine Cyanine Dyes. Synthesis of an Isothiocyanato Derivative for Labeling of Proteins with a Near-Infrared Chromophore, J. Org. Chem., 57, 1992, 4578-4580.
	E.T	B.C. Wilson, Optical Properties of Tissue, Encyclopedia of Human Biology, Sec. Ed., Vol. 6, Academic Press, 1991, 451-461.

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